

Title (en)
METHOD AND APPARATUS FOR REMOVING OLD PILES

Publication
EP 0319204 B1 19920916 (EN)

Application
EP 88311172 A 19881125

Priority
• JP 3008088 A 19880213
• JP 3008188 A 19880213
• JP 30146387 A 19871201

Abstract (en)
[origin: EP0319204A1] A bucket (4) is set to surround an upper end portion of an old pile (P), and an intermediate portion (d) of the pile is radially cut by jetting high pressure water from the bucket from the center and opposite sides of the outer periphery of the old pile. The pile portion (P min) above the cut portion is chucked with a chuck mechanism (5), and in this state the chuck mechanism is turned to twistingly sever the pile portion above the cut portion with the stress thus produced, and the separated pile portion is removed. The above sequence of operations is repeatedly performed to remove the entire old pile.

IPC 1-7
E02D 9/00

IPC 8 full level
E02D 9/00 (2006.01)

CPC (source: EP KR US)
E02D 9/005 (2013.01 - EP US); **E21D 23/16** (2013.01 - KR); **Y10T 83/364** (2015.04 - EP US)

Cited by
CN111236231A; EP4311883A1; NL2032628B1; EP3320173A4; WO0151716A1; WO2017007946A1; US10415208B2; US10982405B2

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EP 88311172 A 19881125; AU 2642388 A 19881130; CA 584450 A 19881129; DE 3874695 T 19881125; KR 880015989 A 19881201; US 27793888 A 19881130